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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,277	07/06/2006	Jean-Luc Dufour	TMP-2034PCTUS/030104PCTUS	6625
66376 7590 11/25/2008 ALLEGHENY TECHNOLOGIES INCORPORATED 1000 SIX PPG PLACE PITTSBURGH, PA 15222-5479				
EXAMINER				
FRIDE JR, WILLMON				
ART UNIT		PAPER NUMBER		
3724				
NOTIFICATION DATE		DELIVERY MODE		
11/25/2008		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docketing@alleghenytechnologies.com

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Office Action Summary

Application No.

10/553,277

Applicant(s)

DUFOUR ET AL.

Examiner

Willmon Fridie

Art Unit

3724

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 August 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 33,35-38,40,41,44-47 and 61-65 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 33,35-38,40,41,44-47 and 61-65 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date 5/28/08
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date: _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 32, 33, 35-41, 44-47 and 61 - 63 as best understood are rejected under 35 U.S.C. 102(b) as being anticipated by Satran et al. (6234724).

With respect to the claims, the Satran et al reference inherently discloses the method.

Satran et al. discloses a cutting tool holder, comprising at least one insert pocket (52) in the tool holder, and at least one antirotation stop corresponding to at least one said insert pocket, wherein the antirotation stop comprises substantially planar surfaces; wherein the pocket further comprises a bottom surface (54) and three substantially planar surfaces that are substantially perpendicular to the bottom surface. The antirotation stop is integral to the bottom surface and a side surface of the insert pocket, and each of the insert pockets comprises a side wall for engaging an insert (10). Further the antirotation stop indexes the cutting insert and protrudes from a side wall of the pocket.

Response to Arguments

Applicant's arguments filed 8/19/08 have been fully considered but they are not persuasive.

The applicant argues that the Examiner asserts, without providing any explanation or other rationale, that Satran et al. "inherently discloses the method". In relying upon the theory of inherency, the examiner must provide a basis in fact and/or technical reasoning to reasonably support the determination that the allegedly inherent characteristic necessarily flows from the teachings of the applied prior art.

The examiner submits that inherent anticipation of claims can occur regardless of the extent to which the prior art describes features of the claims, and regardless of the absence of any prior recognition that the claimed invention previously existed. Further, the use of tangential milling to make a tool holder is old and well known in the art.

Tangential-milling cutters orientate inserts so that they lie flat in the cutter rather than standing up, as in a conventional configuration. This aligns the insert's strongest cross section with the main cutting force vector. The change in configuration can double or triple edge life and improve process security in rough-milling applications while enabling higher material-removal rates. Hence tangential milling would have been a desirable method choice to one skilled in the art.

Therefore to perform the method as claimed would have been obvious to one of ordinary skill in the art, in view of the teachings of Satran et al. since all the claimed elements were known in the prior art and one skilled in the art could have combined the elements as claimed and use them in an off the shelf method known to those in the industry with no change in their respective functions, such that the claimed method

steps would perform their known functions and the combination of steps would have yielded nothing more than predictable results to one of ordinary skill in the art at the time of the invention.

Further the declaration filed on 8/19/08 has been submitted but is not deemed to be persuasive.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Willmon Fridle whose telephone number is 571 272 4476. The examiner can normally be reached on Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, ASHLEY BOYER can be reached on 571 272 4502. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

wf
/Willmon Fridie/
Primary Examiner, Art Unit 3724